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Inventor Information for 10/658443

Inventor Name	City	State/Country
KURAMOTO, SATORU	KARIYA-SHI	JAPAN
KAWAGUCHI, MASAHIRO	KARIYA-SHI	JAPAN
YAMAMOTO, SHINYA	KARIYA-SHI	JAPAN
HOSHINO, NOBUAKI	KARIYA-SHI	JAPAN
KUWAHARA, MAMORU	KARIYA-SHI	JAPAN

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1	US 6135722 A	20001024	Positional relationship of a bearing in the shutoff member of a variable displacement compressor	417/222.2	417/270	Kawaguchi; Masahiro et al.
1	US 6134898 A	20001024	Positive-displacement-type refrigerant compressor with a novel oil-separating and lubricating system	62/193	62/470; 62/84	Umemura; Satoshi et al.
1	US 6126406 A	20001003	Variable displacement compressor	417/222.2		Kawaguchi; Masahiro et al.

1	US 6126405 A	20001003	Undulating current supplying means for the solenoid of a displacement control valve in a variable displacement compressor	417/222.2	417/270; 417/278; 62/228.5	Kawaguchi; Masahiro et al.
1	US 6124342 A	20000926	Pharmaceutical compositions containing pyrylium compounds, pyrylium salts and process for manufacturing a medicament containing the aforesaid compounds	514/432		Okamoto; Tadashi et al.
1	US 6123514 A	20000926	Sealing structure for compressors	417/222.2	277/559; 277/560; 277/564; 277/565	Kawaguchi; Masahiro et al.
1	US 6109883 A	20000829	Coupling construction of compressor housing and method for manufacturing compressor	417/269		Kawaguchi; Masahiro et al.
1	US 6102668 A	20000815	Electromagnetic control valve	417/222.2		Kawaguchi; Masahiro et al.
1	US 6077047 A	20000620	Variable displacement compressor	417/222.1	417/269	Nagai; Hiroyuki et al.
1	US 6076449 A	20000620	Variable displacement compressor	92/12.2	417/269; 92/57; 92/71	Kawaguchi; Masahiro et al.
1	US 6074141 A	20000613	Scroll compressor having grooves for seal members	409/132	29/888.02; 29/888.022; 409/131; 418/55.2; 418/55.4	Ishikawa; Kimihiko et al.
1	US	20000523	Refrigerant	417/362	474/94	Suito; Ken

	6065943 A		compressor having improved drive power transmission unit			et al.
1	US 6062823 A	20000516	Control valve in variable displacement compressor	417/222.2	251/129.02; 251/129.07; 251/129.15	Kawaguchi; Masahiro et al.
1	US 6059538 A	20000509	Control valve for variable displacement compressor	417/222.2	251/337; 251/64	Kawaguchi; Masahiro et al.
1	US 6056513 A	20000502	Variable displacement compressor and method for controlling the same	417/222.1	417/222.2; 417/270	Kawaguchi; Masahiro et al.
1	US 6048178 A	20000411	Compressor	417/222.2	417/269; 417/569	Kawaguchi; Masahiro et al.
1	US 6036447 A	20000314	Control valve having a ground connection for the actuator coil	417/222.2	251/129.02; 251/129.15; 335/28; 439/92	Kawaguchi; Masahiro et al.
1	US 6033189 A	20000307	Control valve	417/222.2	251/129.02; 251/129.15; 335/255; 439/607	Miura; Shintaro et al.
1	US 6024008 A	20000215	Variable displacement compressor, swash plate, and method for hardening swash plate	92/12.2	91/505; 92/71	Kawaguchi; Masahiro et al.
1	US 6022961 A	20000208	Fluorescent stain containing pyrylium salt and fluorescent staining method of biological sample	536/24.3	435/6; 536/24.31; 536/24.32; 536/24.33; 549/13; 549/28; 549/356	Yamamoto; Nobuko et al.
1	US 6010312 A	20000104	Control valve unit with independently operable valve mechanisms for	417/222.2		Suitou; Ken et al.

			variable displacement compressor			
1	US 6004772 A	19991221	Oxygenase expressing microorganism strain JM1 (FERM BP-5352) for degrading organic compounds without an inducer	435/34	210/601; 435/252.1; 435/262; 435/262.5; 435/281; 435/29; 435/308.1; 435/4; 435/821; 435/822; 435/843; 435/975	Imamura; Takeshi et al.
1	US 5987273 A	19991116	Toner concentration detecting method and system	399/58	399/30; 399/62	Yamamoto; Shinya
1	US 5975859 A	19991102	Control valve in variable displacement compressor and its assembling method	417/222.2	417/213	Kawaguchi; Masahiro et al.
1	US 5964578 A	19991012	Control valve in variable displacement compressor	417/222.2		Suitou; Ken et al.
1	US 5947698 A	19990907	Piston type compressor	417/269	184/6.17; 92/71	Ikeda; Hayato et al.
1	US 5939256 A	19990817	Detection of nucleic acid hybrid variation which interacts with double helix or with second reagent through double helix by charge transfer and probe for hybridizing with target nucleic acid	435/6	436/501	Yamamoto; Nobuko et al.
1	US 5920985 A	19990713	Method of manufacturing a movable scroll	29/888.022	29/558; 418/55.2	Fukanuma; Tetsuhiko et al.

			element			
1	US 5906932 A	19990525	Process for soil remediation and apparatus used therefor	435/262.5	210/605; 405/128.5; 435/266; 435/289.1; 435/309.1	Kuriyama; Akira et al.
1	US 5893706 A	19990413	Cooling structure for compressor	417/373	184/104.1; 184/6.17; 184/6.22; 416/60; 417/269; 417/362	Kawaguchi; Masahiro et al.
1	US 5890876 A	19990406	Control valve in variable displacement compressor	417/213	137/907; 251/129.02; 251/61.5; 417/222.2	Suito; Ken et al.
1	US 5882180 A	19990316	Oil mist filter in a variable displacement compressor	417/222.2	417/313; 417/423.9; 92/78	Kawaguchi; Masahiro et al.
1	US 5871337 A	19990216	Swash-plate compressor with leakage passages through the discharge valves of the cylinders	417/222.2	417/269; 417/295; 417/571	Fukanuma; Tetsuhiko et al.
1	US 5865604 A	19990202	Displacement controlling structure for clutchless variable displacement compressor	417/222.2		Kawaguchi; Masahiro et al.
1	US 5853931 A	19981229	Photoreceptor for electrophotography	430/58.05	430/58.4; 430/66	Yamamoto; Shinya
1	US 5842835 A	19981201	Variable displacement compressor and its assembling method	417/222.2	417/270	Kawaguchi; Masahiro et al.
1	US 5842834 A	19981201	Swash plate type compressor employing single-headed pistons	417/222.2		Kawaguchi; Masahiro et al.
1	US 5836748 A	19981117	Swash plate type variable displacement	417/222.2	417/269	Kawaguchi; Masahiro et al.

			compressor utilizing a spool for controlling the inclination			
1	US 5835939 A	19981110	Data transfer control method and apparatus for external storage subsystem adapted to perform erasing after writing	711/113	711/112; 711/114; 711/118; 711/154	Kurokawa; Isamu et al.
1	US 5816134 A	19981006	Compressor piston and piston type compressor	92/154	184/18; 184/6.17; 92/158; 92/159	Takenaka; Kenji et al.
1	US 5807089 A	19980915	Scroll type compressor with a reinforced rotation preventing means	418/55.3		Tsumagari; Yuichi et al.
1	US 5807088 A	19980915	Scroll type compressor with chamfered scroll wall	418/55.2	418/55.4	Fukanuma; Tetsuhiko et al.
1	US 5807076 A	19980915	Lubrication method and lubrication controlling apparatus for clutchless compressor	417/228	184/6.17; 184/6.3; 417/222.2; 417/53; 92/154	Kawaguchi; Masahiro et al.
1	US 5797730 A	19980825	Swash plate type compressor	417/222.2	417/295	Kawaguchi; Masahiro et al.
1	US 5785502 A	19980728	Control apparatus for variable displacement compressor	417/222.2	417/222.1; 417/270	Ota; Masaki et al.
1	US 5770452 A	19980623	Quantitative determination of lipid, and of co-existing two compounds	436/86	436/13; 436/15; 436/164; 436/71; 436/8	Yamamoto; Nobuko et al.
1	US 5762476 A	19980609	Variable capacity single-headed piston refrigeration compressor	417/222.2	417/295	Ota; Masaki et al.

1	US 5755898 A	19980526	Scroll type compressor and method for manufacturing the same	148/439	420/532; 420/534; 420/535	Yamamoto; Shinya et al.
1	US 5753466 A	19980519	Method for recovering DNA from soil	435/91.1	435/259; 435/34; 435/6; 435/9; 536/127; 536/22.1; 536/23.1; 536/25.4	Yano; Tetsuya et al.
1	US 5741122 A	19980421	Variable displacement compressor having a spool with a coating layer	417/222.2		Yokono; Tomohiko et al.
1	US 5713725 A	19980203	Clutchless piston type variable displacement compressor	417/222.2	417/295	Kawaguchi; Masahiro et al.
1	US 5713220 A	19980203	Pile patterning mechanism for circular knitting machine and knitted article knitted by the circular knitting machine	66/106	66/31; 66/9R	Seino; Masahiro et al.
1	US 5711659 A	19980127	Method of manufacturing a movable scroll element and a scroll element produced by the same method	418/55.2	29/888.022	Fukanuma; Tetsuhiko et al.
1	US 5705346 A	19980106	Method for detecting a target nucleic acid by using an interaction of two kinds of reagents	435/6	435/810; 436/501; 536/23.1; 536/24.1; 536/24.3; 536/24.31; 536/24.32; 536/24.33	Okamoto; Tadashi et al.
1	US	19971028	Piston type	417/222.2	417/295	Kawaguchi;

	5681150 A		variable displacement compressor			Masahiro et al.
1	US 5670315 A	19970923	Nucleic acid determination employing pyrylium dye	435/6	435/288.2; 435/288.4; 435/288.5; 435/91.2	Yamamoto; Nobuko et al.
1	US 5641278 A	19970624	Scroll compressor	418/55.2	418/55.1	Tsumagari; Yuichi et al.
1	US 5639223 A	19970617	Compressor with cylindrical cam surface	417/269	74/55; 74/56; 74/567; 74/569	Murakami; Kazuo et al.
1	US 5636973 A	19970610	Crank chamber pressure controlled swash plate compressor with suction passage opening delay during initial load condition	417/222.2	417/298	Sonobe; Masanori et al.
1	US 5634775 A	19970603	Wave cam type compressor	417/269	74/56; 91/502	Murakami; Kazuo et al.
1	US 5624798 A	19970429	Detection method of nucleic acid by use of fluorescent pyrylium stain in intercalation into nucleic acids	435/6	549/13; 549/28; 549/356; 549/424; 8/506	Yamamoto; Nobuko et al.
1	US 5624240 A	19970429	Piston type variable displacement compressor	417/222.2		Kawaguchi; Masahiro et al.
1	US 5616008 A	19970401	Variable displacement compressor	417/222.2		Yokono; Tomohiko et al.
1	US 5603610 A	19970218	Clutchless piston type variable displacement compressor	417/222.2	417/295	Kawaguchi; Masahiro et al.
1	US 5597297 A	19970128	Scroll type compressor	418/55.1	418/151	Yamamoto; Shinya et al.
1	US	19961224	Bearing structure	417/222.2	417/269;	Kawaguchi;

	5586870 A		used in a compressor		417/270; 417/362; 91/499	Masahiro et al.
1	US 5584670 A	19961217	Piston type variable displacement compressor	417/222.2	417/295	Kawaguchi; Masahiro et al.
1	US 5581880 A	19961210	Method for machining scroll member	29/888.022	409/132	Iio; Junichi et al.
1	US 5580228 A	19961203	Scroll compressor having grooves for seal members	418/55.2	29/888.022; 418/142; 418/55.4	Ishikawa; Kimihiro et al.
1	US 5577894 A	19961126	Piston type variable displacement compressor	417/222.2	417/295	Kawaguchi; Masahiro et al.
1	US 5575635 A	19961119	Scroll compressor having eccentric shaft lubrication	418/55.5	418/100; 418/55.6	Yamamoto; Yuuji et al.
1	US 5568386 A	19961022	Automated correction control system and method for characteristics of throttle position sensor	701/51	123/361; 477/121	Sugiura; Masayuki et al.
1	US 5562426 A	19961008	Scroll type refrigerant compressor	417/310	417/295; 417/440	Watanabe; Yasushi et al.
1	US 5547346 A	19960820	Variable displacement compressor	417/222.2	92/12.2	Kanzaki; Shigeki et al.
1	US 5545521 A	19960813	Method for detecting bioindividuals by use of nonnatural type nucleic acid probe	435/5	435/6; 435/91.1; 436/164; 436/172; 436/800; 436/94; 536/23.1; 536/23.7; 536/23.72; 536/23.74; 536/24.32	Okamoto; Tadashi et al.
1	US 5545020 A	19960813	Scroll type compressor with spiral seals	418/55.4	418/55.2; 418/55.3	Fukanuma; Tetsuhiko et al.

1	US 5529461 A	19960625	Piston type variable displacement compressor	417/222.2	417/269	Kawaguchi; Masahiro et al.
1	US 5525403 A	19960611	Thermal transfer printing medium	428/32.79	428/209; 428/913; 428/914; 503/204; 503/226	Kawabata; Hitomi et al.
1	US 5505809 A	19960409	Method of preparing a plurality of ceramic green sheets having conductor films thereon	156/264	156/261; 156/89.12; 264/153; 29/25.42; 361/321.2	Yamamoto; Shinya et al.
1	US 5501584 A	19960326	Scroll type compressor having a passage from the suction chamber to a compression pocket	418/15	418/55.1; 418/55.2	Yamamoto; Shinya et al.
1	US 5498140 A	19960312	Variable displacement compressor	417/199.1	417/222.1; 417/272; 417/310; 92/12.2	Kawaguchi; Masahiro et al.
1	US 5491093 A	19960213	Quantitative determination of lipid, and of co- existing two compounds	436/71	436/164; 436/166	Yamamoto; Nobuko et al.
1	US 5478223 A	19951226	Scroll type compressor having reaction force transmission and rotation prevention for the moveable scroll	418/55.3	418/55.6; 464/102	Yamamoto; Shinya et al.
1	US 5477773 A	19951226	Wave plate type compressor	92/71	417/269; 74/60; 92/138	Murakami; Kazuo et al.
1	US 5452647 A	19950926	Wave plate type compressor	92/71	74/56; 74/57	Murakami; Kazuo et al.
1	US 5437746	19950801	Aluminum alloy sheet for discs	148/439	148/415; 148/417;	Usui; Eiki et al.

	A		having good platability		148/418; 148/440; 148/523; 148/551; 148/552; 148/691; 148/692; 148/695; 420/532; 420/533; 420/541; 420/547; 420/550; 428/650; 428/652; 428/687; 428/928	
1	US 5437543 A	19950801	Scroll type refrigerant compressor with means for improving airtight sealing of compression chambers	418/55.5	418/151; 418/57	Goto; Kunifumi et al.
1	US 5427513 A	19950627	Scroll type compressor having a displaced discharge port	418/55.2	418/142; 418/55.4	Yamada; Kiyohiro et al.
1	US 5419690 A	19950530	Scroll type refrigerant compressor with means for preventing mechanical crack of the housing	418/55.1	418/178; 418/179; 418/55.2	Goto; Kunifumi et al.
1	US 5389453 A	19950214	Aluminum alloy material having a surface of excellent zinc phosphate processability	428/639	205/213; 427/406; 427/427; 427/436; 427/437; 428/614; 428/650; 428/658	Toyose; Kikurou et al.
1	US 5387091	19950207	Variable capacity type swash plate	417/222.2	92/12.2	Kawaguchi; Masahiro et

	A		compressor			al.
1	US 5382139 A	19950117	Guiding mechanism for reciprocating piston of piston type compressor	417/269	91/499	Kawaguchi; Masahiro et al.
1	US 5366357 A	19941122	Scroll type compressor having a counterweight mounted with a clearance on a driveshaft	418/55.1	418/151; 418/55.5; 418/55.6; 418/57	Fukanuma; Tetsuhiko et al.
1	US 5244516 A	19930914	Aluminum alloy plate for discs with improved platability and process for producing the same	148/551	148/439; 148/552; 148/691; 428/846.7	Kawaguchi; Masahiro
1	US D323987 S	19920218	Container	D9/418		Yamamoto; Shinya et al.
1	US 5032060 A	19910716	Continuously variable capacity swash plate type refrigerant compressor	417/222.1	417/269	Kobayashi; Hisao et al.
1	US 4969957 A	19901113	Method of producing a mechanical component with superior fatigue strength	148/547	148/548; 148/653	Ohsaki; Shigemi et al.
1	US 4889229 A	19891226	Cassette for storing a plurality of electronic component chips	206/723	220/350; 221/285; 221/306; 29/740; 29/809	Yamamoto; Shinya et al.
1	US 4869089 A	19890926	Coil box apparatus	72/12.2	72/128; 72/148; 72/202	Kuramoto; Satoru
1	US 4864203 A	19890905	Diagnostic apparatus	318/563	318/568.14; 318/568.24	Kuramoto; Satoru
1	US 4846345	19890711	Cassette storing a plurality of	206/701	221/174; 221/186;	Hamuro; Mitsuro et

	A		electronic component chips including means for securing the cassette to a hopper		221/285; 221/306; 29/740	al.
1	US 4844703 A	19890704	Variable displacement vane compressor	417/295	417/12; 417/310	Watanabe; Yasushi et al.
1	US 4842490 A	19890627	Variable displacement vane compressor	417/295	417/310	Watanabe; Yasushi et al.
1	US 4838740 A	19890613	Variable displacement vane compressor	417/295	417/310	Watanabe; Yasushi et al.
1	US 4808083 A	19890228	Variable capacity type vane compressor	417/295	417/310	Watanabe; Yasushi et al.
1	US 4764496 A	19880816	Thermal transfer recording medium having an improved hot-sticking resistance	503/227	427/256; 428/209; 428/32.64; 428/333; 428/698; 428/702; 428/704; 428/913; 428/914; 8/471	Narui; Hiroshi et al.
1	US 4747063 A	19880524	Method of determining an optimum set value for a side trimming machine	700/171	409/138; 409/303; 72/203; 72/8.9	Kuramoto; Satoru
1	US 4728874 A	19880301	Method for controlling intermittent operations of processing apparatus	318/571	318/39; 700/149	Kuramoto; Satoru
1	US 4672830 A	19870616	Method of controlling an edging opening in a rolling mill	72/9.3	700/149; 72/199; 72/235; 72/8.9	Tsukamoto; Hidehiko et al.
1	US 4631112 A	19861223	Surface-treated aluminum alloy substrates for	216/101	205/223; 216/22; 252/79.2	Usui; Eiki et al.

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